



103003 U.S. PTO

SMITH, GAMBRELL & RUSSELL, LLP

ATTORNEYS AT LAW  
SUITE 800  
1850 M STREET, N.W.

WASHINGTON, D.C. 20036

TELEPHONE (202) 263-4300

FACSIMILE (202) 263-4329

WEBSITE [www.sgrlaw.com](http://www.sgrlaw.com)

ESTABLISHED 1893

ATLANTA OFFICE

SUITE 3100, PROMENADE II  
1230 PEACHTREE STREET, N.E.  
ATLANTA, GEORGIA 30309-3592  
TELEPHONE  
(404) 815-3500  
FACSIMILE  
(404) 815-3509

FLORIDA OFFICE

SUITE 2600, BANK OF AMERICA TOWER  
50 NORTH LAURA STREET  
JACKSONVILLE, FL 32202  
TELEPHONE  
(904) 598-6100  
FACSIMILE  
(904) 598-6300

Suzannah K. Sundby

(202) 263-4332

Direct Fax No. - (202) 263-4352

E-Mail - [ssundby@sgrlaw.com](mailto:ssundby@sgrlaw.com)

30 October 2003

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Box Patent Application**

22264 U.S. PTO  
10/695775



Re: New U.S. Patent Application Based On Provisional Patent  
Application Serial No. 60/422,811, filed 30 October 2002  
For: **NANOSCALE HETEROJUNCTIONS AND  
METHODS OF MAKING AND USING THEREOF**  
Inventors: Cenzig Ozkan, *et al.*  
Atty Docket No.: 034044.025

Dear Sir:

**I. Enclosures:**

We enclose the following papers for filing in the United States Patent and  
Trademark Office in connection with the above-identified patent application.

1. U.S. Utility Patent Application entitled:

**NANOSCALE HETEROJUNCTIONS AND  
METHODS OF MAKING AND USING THEREOF**

and naming the following as inventor(s):

**Cenzig S. Ozkan  
Sathyajith Ravindran  
Roger Lake  
Mihri Ozkan  
Natan Portney**



00441

PATENT TRADEMARK OFFICE

a. A specification containing:

- (i) **22** pages of description;
- (ii) **3** pages of claims (**17** claims);
- (iii) **1** page of Abstract;
- (iv) **13** sheets of Drawings (Figs. 1-15).

b. The filing fee has been calculated as shown below:

	(Col. 1)	(Col. 2)
For	No. Filed	No. Extra
Basic Fee		
<b>Total Claims</b>	17-20 =	0
<b>Indep. Claims</b>	1-3 =	0
<input type="checkbox"/> <b>Multiple Dependent Claim Presented</b>		

\*If the difference in Col. 1 is less than zero, enter "0" in Col. 2

SMALL ENTITY	
Rate	Fee
	\$385.00
x 9 =	
x 42 =	
+ 145 =	
<b>Total</b>	<b>\$385.00</b>

or  
or  
or  
or  
or  
or

LARGE ENTITY	
Rate	Fee
	\$770.00
x 18 =	\$0.00
x 86 =	\$0.00
+ 290 =	
<b>Total</b>	<b>\$</b>

## II. Filing under 37 C.F.R. § 1.53(b)

- ☐ This application is being filed under the provisions of 37 C.F.R. § 1.53(b) without the filing fee.
- ☒ This application is being filed under the provisions of 37 C.F.R. § 1.53(b) without the Declaration/Oath by the inventors.

Applicants respectfully await notification from the Patent and Trademark Office of the time set for filing any missing parts.

Also enclosed herewith are the following:

1. Two (2) return postcards;

## III. Correspondence Address

The correspondence address for this application is (37 C.F.R. §1.51(vii)):

**Suzannah K. Sundby**  
**Smith, Gambrell & Russell**  
**1850 M Street, N.W., Suite 800**  
**Washington, DC 20036**

## IV. Statement as to whether invention was made by an agency of the U.S. Government or under contract with an agency of the U.S. Government. (37 C.F.R. §1.51(viii)):

This invention ☐ was ☒ was not made by an agency of the United States Government, or under contract with an agency of the United States Government.

**V. Small Entity Status Assertion under 35 U.S.C. 1.27(c)(1):**

**Applicant is a Small Entity.**

**VI. Claim for Priority:**

- ☐ Foreign priority benefits under 35 U.S.C. 119(a)-(d) is hereby claimed of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Foreign Application: Country: Filing Date:

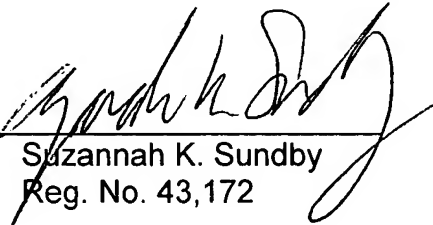
- ☒ The benefit of priority under 35 U.S.C. 119(e) is hereby claimed of the United States provisional patent application(s): **60/422,811** filed **30 October 2002**.
- ☐ The benefit of priority under 35 U.S.C. 120 is hereby claimed of any United States non-provisional patent application(s) listed below:

**VII. Method of fee payment**

- ☒ Check in the amount of **\$385.00** (filing fee of 770.00) is enclosed.
- ☐ Charge Account No. **02-4300**, Reference No. \_\_\_\_\_ in the amount of \$\_\_.
- ☒ The U.S. Patent and Trademark Office is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. **02-4300**, Reference No. **34044.025**. A duplicate copy of this sheet is attached.
- ☒ Any additional filing fees required under 37 C.F.R. §1.16.
- ☒ Any patent application processing fees under 37 C.F.R. §1.17.
- ☒ The U.S. Patent and Trademark Office is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Account No. **02-4300**, Reference No. **34044.025**. A duplicate copy of this sheet is enclosed.
- ☒ Any patent application processing fees under 37 C.F.R. §1.17
- ☒ Any filing fees under 37 C.F.R. §1.16 for presentation of extra claims.

It is respectfully requested that, of the two attached post cards, one be stamped with the filing date of these documents and returned to our courier, and the other prepaid postcard be stamped with the filing date and unofficial serial number and returned as soon as possible.

Respectfully submitted,  
Smith, Gambrell & Russell

By:   
Suzannah K. Sundby  
Reg. No. 43,172

Date: 30 October 2003  
1850 M Street, N.W.  
Suite 800  
Washington, DC 20036  
(202) 263-4332  
Attorney Dckt. No.: 34044.025